

For Research Use Only

Mouse Prolactin Recombinant antibody, PBS Only

Catalog Number: 85042-1-PBS



Basic Information

Catalog Number:

85042-1-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NP_035294.2

GeneID (NCBI):

19109

Full Name:

prolactin

Calculated MW:

26 kDa

Observed MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

241771A5

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

mouse, rat

Background Information

Prolactin is also named as PRL and belongs to the somatotropin/prolactin family. The proteins encoded by PRL are secreted into the cell surroundings. And they are abundantly expressed in pituitary gland, adenohypophysis, decidua and testis. Indeed, chemically, prolactin appears in a multiplicity of posttranslational forms ranging from size variants to chemical modifications such as phosphorylation or glycosylation. It is not only synthesized in the pituitary gland, as originally described, but also within the central nervous system, the immune system, the uterus and its associated tissues of conception, and even the mammary gland itself (PMID: 11015620). Prolactin acts primarily on the mammary gland by promoting lactation (PMID: 30546056).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

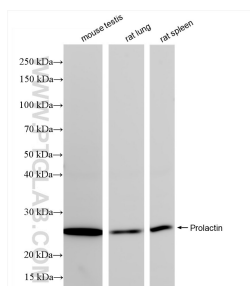
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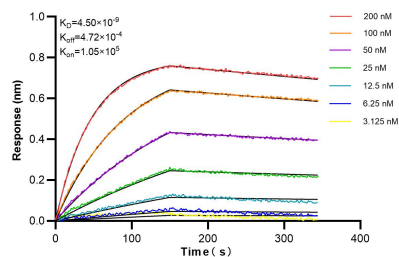
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85042-1-RR (Prolactin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85042-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85042-1-RR against Mouse Prolactin were performed. The affinity constant is 4.50 nM.